

BIOCOOL 3837 GR

BORON FREE SYNTHETIC FLUID FOR GRINDING AND MACHINING OPERATIONS

DESCRIPTION

BIOCOOL 3837 GR is a water soluble metalworking fluid concentrate dedicated for difficult grinding operations on cast iron, steel and stainless steel, and for steel forming operations.

APPLICATIONS

Thanks its specific additives, **BIOCOOL 3837 GR** is particularly effective in soft to medium hardness water.

ADVANTAGES

- Low foaming product.
- Excellent air release properties.
- Very good cooling and detergency properties.
- Good separation of tramp oils.
- Very good particles settling properties.
- Improvement of tool life thanks to its specific additivation.
- Operator friendly.
- Cleanliness of working environment.

TECHNICAL INFORMATION

NAME	UNITS	METHOD	BIOCOOL 3837 GR
Color	-	Visual	Yellow
Aspect	-		Liquid
Density at 20°C (68°F)	-	ISO 12.185	1.083
Refractometer Factor	-		1.3
Water Hardness range recommended	ppm		0-400
Break Point Corrosion	%	IP 287	< 3
pH	-	NFT 60.193	9.8 at 5 %

These characteristics are given only for information and can be updated over time.

HEALTH & SAFETY

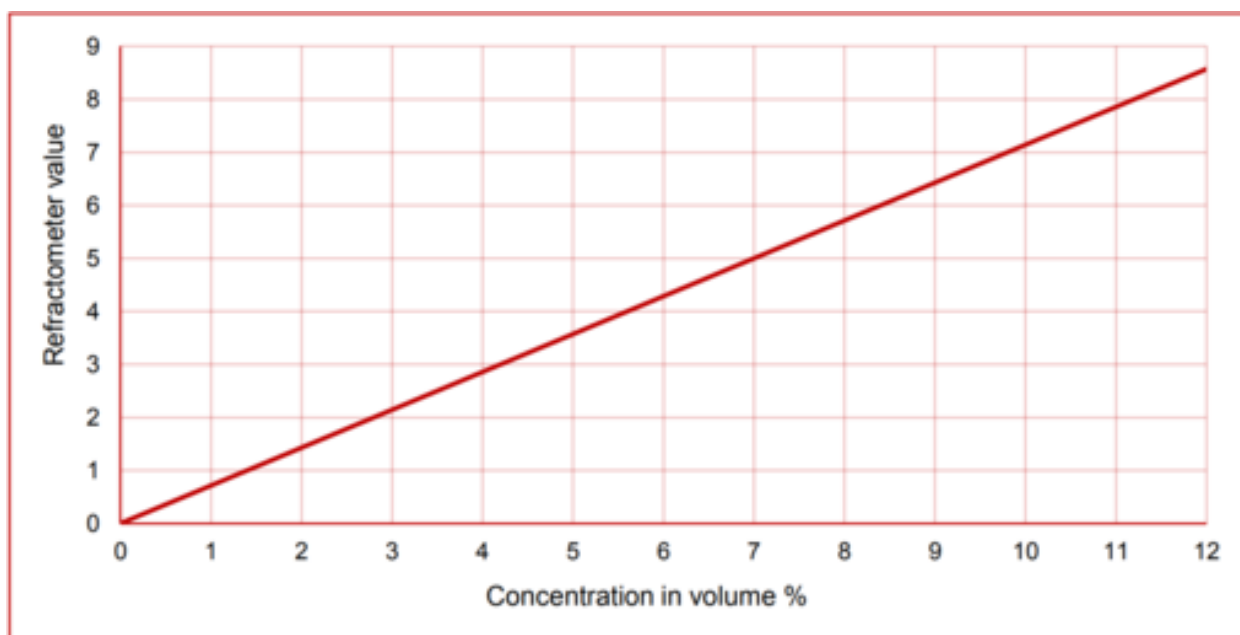
- Formaldehydes & formaldehydes releasers free
- Boron, nitrites and DEA free, without chlorinated additives
- Operator friendly: good dermatological behavior and easy to use

RECOMMENDED CONCENTRATIONS OF USE

- Grinding: 4-6%
- Difficult grinding: 6-8%
- Machining: 6-12%

The refractometer reading must be multiplied by the refractometer factor to arrive at the real concentration.

REFRACTOMETER CURVE



INSTRUCTIONS

Before first fill, thoroughly clean the installation with an antiseptic such as **CONTRAM CB3**. Drain and rinse the system with water.

If no volumetric mixing system is available, slowly pour **BIOCOOL 3837 GR** into water while stirring continuously to achieve a correct preparation of the emulsion.

To ensure the best quality of emulsion and maximize the fluid efficiency, consult the **Good Practices Handbook - Metalworking Soluble Fluids**.



SERVICES AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and monitoring of your lubricants. Please contact your technical sales representative for more information.